

NEWBURN  
URBAN DISTRICT COUNCIL.

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Annual Report  
OF THE  
Medical Officer of Health  
AND  
Chief Sanitary Inspector  
FOR THE YEAR 1937.

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Newcastle-upon-Tyne :  
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—  
1938.



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URBAN DISTRICT COUNCIL.

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# Newburn Urban District Council.

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## HEALTH AND MATERNITY AND CHILD WELFARE COMMITTEE.

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COUNCILLOR MARGARET ELIZABETH KERR, Chairman.

- „ RICHARD ROWELL, J.P., Deputy Chairman.
- „ JOSEPH WILLIAM BAIN.
- „ JOHN CURLEY.
- „ ALFRED LOWDON.
- „ PERCY RIDLEY LOWDON.
- „ JOSEPH MORDUE TODD.

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Members Co-opted under Public Health Act, 1936,  
Section 201 (4) :—

MRS. M. BOULD.

MRS. DOROTHY NELSON, J.P.

MRS. J. REED.

## STAFF OF THE PUBLIC HEALTH DEPARTMENT

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Temporary Acting Medical    FRANCIS IRVINE, M.B., C.M.  
Officer of Health

Chief Sanitary Inspector .. THOMAS W. WALTON,  
M.R. SAN. I., M.I.H., M.S.I.A.  
Certified Meat Inspector.

Additional Sanitary        .. JOHN TOPHAM, M.S.I.A.  
Inspector                                Certified Meat Inspector.

Health Visitor and        . MISS R. E. STEAD, A.R. SAN. I  
Welfare Superintendent        Member College of Nursing.

Assistant Health Visitor . MISS D. HEPPLE, S.R.N., S.C.M.

Clerk        ..        ..        .. MISS M. DUNN.

# Newburn Urban District Council.

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## Medical Officer of Health's Report, 1937.

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*To the Chairman and Members of the  
Health Committee.*

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MR. CHAIRMAN, MADAM AND GENTLEMEN,

I have to submit the Annual Report for the year 1937, on the work of the Health Department.

This is an ordinary Report, as defined in the Ministry of Health Circular 1650 dated 4th October, 1937.

### NATURE AND SOCIAL CONDITIONS OF THE AREA.

#### (a) AREA.

4,649 acres.

#### (b) POPULATION.

The following figures shew the population at the dates specified.

1921 Census	..	..	..	18,447
1931 Census	..	..	..	19,130
1937 (Registrar Gen. Est).	..			19,270
Persons per acre 1937	..			4.14



(c) PHYSICAL CHARACTERISTICS AND GENERAL CHARACTER OF THE DISTRICT.

The Urban District is situate on the North bank of the River Tyne and is undulating in character varying from approximately sea level to between 400 and 500 feet above ordnance datum.

The district is bisected by the main Carlisle-Newcastle road, constructed on the site of the Roman Wall of Hadrian.

(d) NUMBER OF INHABITED HOUSES.

The number of inhabited houses in the area according to the rate book at 31st March, 1938, was 5,264.

(e) RATEABLE VALUE.

The rateable value of the district at the close of the year was £94,397 and the amount produced by a penny rate £370.

(f) SOCIAL CONDITIONS.

The district is chiefly industrial, the majority of the adult male population being connected with the mining and engineering industries. In addition a number are employed in brickmaking and at the glassworks.

I am indebted to the Manager of the local Employment Exchange for the following particulars relating to unemployment in the district :—

No. of persons unemployed at the end of December, 1937 :

Men.	Young Men.	Boys.	Women.	Young Women.	Girls.
971	39	25	47	25	45
Total :—1,152.					
Number of Insurable Persons .. .. 5,530					
Per Cent. Unemployed .. .. 20.8%					



## (g) VITAL STATISTICS.

Table I. shews the vital statistics of the district as compared with those of England and Wales, London, 125 great towns and 148 smaller towns.

Table II. shews a comparison of the vital statistics of the district for the past ten years.

(1) *Deaths.*

Table III. shews the causes of and ages at death of residents belonging to the district, as registered during 1937. The table is corrected for outward and inward transfers.

It will be seen that 202 deaths occurred, 106 were males and 96 females. This gives a crude death rate of 10.5 (as compared with 11.27 for 1936) and a standardised death rate of 12.07.

(2) *Births.*

The following figures show the particulars relating to births during the year and set out in the prescribed manner to comply with circular 1650.

	Total	M	F	
Live Births	Legitimate 296	156	140	Birth rate per 1,000 of the estimated resident population 15.83
	Illegitimate 9	4	5	
Still Births	Legitimate 15	9	6	Rate per 1,000 total (live & still) births 46.87
	Illegitimate —	—	—	

(3) *Infant Mortality.*

Table 4 shews the causes of and ages at deaths of infants under one year during 1937.

12 Legitimate deaths and 2 Illegitimate deaths, making a total of 14, gives an infantile mortality rate of 45.9 per 1,000 live births, compared with 57 for the year 1936.

The death rate of legitimate infants per 1,000 legitimate live births is 40.5 and the death rate of illegitimate infants per 1,000 illegitimate live births is 222

(4) *Figures used for Statistics.*

Comparability Factor for standardised death rate, 1.15.

## NEWBURN URBAN DISTRICT COUNCIL.

**TABLE I.**

## Comparative Table of Life Statistics, 1937.

	England and Wales.	125 County Boroughs and Great Towns including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census).	London Adminis- trative County.	Newburn.
Rates per 1,000 population.					
<b>Births :—</b>					
Live .. ..	14.9	14.9	15.3	13.3	15.83
Still .. ..	0.60	0.67	0.64	0.54	0.78
<b>Deaths :—</b>					
All Causes .. ..	12.4	12.5	11.9	12.3	10.50 Crude 12.07 St'nd.
Typhoid and Paratyphoid fevers }	0.00	0.01	0.00	0.00	0.00
Smallpox .. ..	—	—	—	—	—
Measles .. ..	0.02	0.03	0.02	0.01	0.00
Scarlet Fever .. ..	0.01	0.01	0.01	0.01	0.00
Whooping Cough .. ..	0.04	0.04	0.03	0.06	0.00
Diphtheria .. ..	0.07	0.08	0.05	0.05	0.00
Influenza .. ..	0.45	0.39	0.42	0.38	0.31
Violence .. ..	0.54	0.45	0.42	0.51	0.73
<b>Notifications :—</b>					
Smallpox .. ..	0.00	—	0.00	—	—
Scarlet Fever .. ..	2.33	2.56	2.42	2.09	2.59
Diphtheria .. ..	1.49	1.81	1.38	1.93	1.04
Enteric Fever .. ..	0.05	0.06	0.04	0.05	0.05
Erysipelas .. ..	0.37	0.43	0.34	0.44	0.52
Pneumonia .. ..	1.36	1.58	1.20	1.18	1.40
Rates per 1,000 Live Births.					
Deaths under 1 year of age	58	62	55	60	46
Deaths from Diarrhoea and Enteritis under 2 years of age }	5.8	7.9	3.2	12.0	3.3
<b>Maternal Mortality :—</b>					
Puerperal Sepsis .. ..	0.97	} Not available		{	3.3
Others .. ..	2.26				6.6
Total .. ..	3.23				9.9
Rates per 1,000 Total Births (i.e. Live and Still).					
<b>Maternal Mortality :—</b>					
Puerperal Sepsis .. ..	0.94	} Not available		{	3.12
Others .. ..	2.17				6.25
Total .. ..	3.11				9.37
<b>Notifications :—</b>					
Puerperal fever Puerperal pyrexia }	13.93	17.59	11.52	4.15 14.34	— 18.75

NEWBURN URBAN DISTRICT COUNCIL.

TABLE II.

Vital Statistics of Whole District during 1937 and Nine previous years.

Year.	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.				
		Nett.		Number	Rate.	Of non- residents registered in the District.	Of resi- dents not registered in the District.	Under 1 yr. of age.		At all ages.		
		Number.	Rate.					Number.	Rate per 1,000 Births.		Number	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1928	20,450	361	397	19.41	201	9.82	7	47	39	98	241	11.78
1929	20,340	290	317	15.58	186	9.14	12	49	22	69	223	10.96
1930	20,340	329	345	16.91	174	8.55	9	50	20	57	215	10.57
1931	†19,720	291	335	16.78	202	10.24	9	47	27	80	240	12.17
1932	19,570	318	303	15.48	188	9.60	11	47	22	72	224	11.44
1933	19,670	318	333	16.92	209	10.62	13	59	29	87	255	12.96
1934	19,760	288	297	15.03	193	9.76	4	63	22	74	254	12.85
1935	*19,120	340	342	17.69	146	7.55	3	55	24	70	198	10.24
1936	19,250	307	312	16.20	176	9.14	3	44	18	57	217	11.27
1937	19,270	334	305	15.83	159	8.25	5	48	14	46	202	10.46

† Census Population, 19,539.  
\* Population for statistics, 19,328 (owing to alteration of boundary).



Causes of, Ages at, and Distribution of Deaths during the Year 1937.

CAUSES OF DEATH.	SEX.		NETT DEATHS BELONGING TO DISTRICT AT SUBJOINED AGES.										WARD.				
	Male.	Female.	At all ages.	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Westerhope.	Lemington.	Newburn.	Throckley.		
Typhoid and Paratyphoid Fevers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Influenza	4	2	6	..	..	..	..	..	1	1	4	1	4	1	..		
Encephalitis Lethargica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Cerebro-Spinal Fever	1	..	1	..	..	1	..	..	..	..	..	..	..	1	..		
Tuberculosis of the Respiratory System	6	5	11	..	..	1	1	2	6	1	..	1	2	3	5		
Other Tuberculous Diseases	3	2	5	1	1	1	..	1	1	..	..	2	..	2	1		
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
General Paralysis of the Insane	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Tabes Dorsalis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Cancer Malignant Disease	15	12	27	..	..	..	..	..	3	8	16	1	12	5	9		
Diabetes	1	3	4	..	..	..	..	..	..	2	2	..	2	1	1		
Cerebral Hæmorrhage, etc.	8	12	20	..	..	..	..	1	1	6	12	1	6	6	7		
Heart Disease	14	15	29	..	..	..	..	1	..	9	19	4	11	5	9		
Aneurysm	..	..	..	..	..	..	..	..	1	3	..	3	..	2	1		
Other Circulatory Diseases	1	5	6	..	..	..	..	..	..	..	..	..	..	3	1		
Bronchitis	4	3	7	..	..	..	..	..	3	3	4	..	1	3	3		
Pneumonia (all forms)	8	7	15	3	1	3	..	1	..	2	2	1	4	5	5		
Other Respiratory Diseases	1	..	1	..	..	..	..	..	..	1	1	..	..	1	..		
Peptic Ulcer	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..		
Diarrhœa, etc. (under 2 years)	1	..	1	1	..	..	..	1	..	..	..	..	..	1	1		
Appendicitis	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..		
Cirrhosis of Liver	1	..	1	..	..	..	..	..	..	1	..	..	1	..	..		
Other Diseases of Liver etc.	1	1	2	..	..	..	..	..	1	1	..	1	1	1	1		
Other Digestive Diseases	2	3	5	..	..	..	2	..	..	1	2	..	3	1	3		
Acute and Chronic Nephritis	2	4	6	..	..	..	1	..	1	2	2	1	1	1	..		
Puerperal Sepsis	..	1	1	..	..	..	..	..	1	..	..	1	1	1	..		
Other Puerperal Causes	..	2	2	..	..	..	..	..	2	..	..	..	..	..	..		
Congenital Debility and Malformation,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Premature Birth	4	2	6	6	..	..	..	..	..	1	13	1	3	2	10		
Senility	8	6	14	..	..	..	..	..	..	1	..	..	..	4	1		
Suicide	1	..	1	..	..	..	..	2	2	1	2	1	5	5	3		
Other Violence	11	3	14	2	1	1	3	2	2	1	8	2	3	4	4		
Other Defined Diseases	7	6	13	1	..	..	..	..	..	3	2	2	3	4	2		
Causes ill-defined or unknown	1	1	2	..	..	..	..	..	..	..	2	..	..	..	..		
Totals	106	96	202	14	3	7	8	9	23	47	91	21	61	54	66		

TABLE IV.

Infant Mortality, 1937

CAUSE OF DEATH.		Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1—3 months	3—6 months	6—9 months	9—12 months	Total Deaths under 1 year
All Classes	{ Certified	7	..	..	..	7	2	2	3	..	14
	{ Uncertified	..	..	..	..	..	..	..	..	..	..
Measles ..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	..	..	..	..	..	..	..	..	..	..	..
Influenza..	..	..	..	..	..	..	..	..	..	..	..
Meningitis ..	..	..	..	..	..	..	..	..	..	..	..
Tubercular Meningitis..	..	..	..	..	..	..	..	1	..	..	1
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Disease	..	..	..	..	..	..	..	..	..	..	..
Bronchitis ..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia ..	..	..	..	..	..	..	..	..	3	..	3
Diarrhoea ..	..	..	..	..	..	..	..	1	..	..	1
Enteritis ..	..	..	..	..	..	..	..	..	..	..	..
Congenital Malformations	..	..	..	..	..	..	..	..	..	..	..
Premature Birth ..	..	4	..	..	..	4	..	..	..	..	4
Atrophy, Debility and Marasmus	..	1	..	..	..	1	1	..	..	..	2
Convulsions ..	..	..	..	..	..	..	1	..	..	..	1
Other Causes ..	..	2	..	..	..	2	..	..	..	..	2
Totals ..	..	7	..	..	..	7	2	2	3	..	14

Net Births in the Year

Legitimate .. 296

Illegitimate .. 9

Infantile Death Rate (per 1,000 Births) .. 46

## GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

The information required under this heading was given in detail in the report for 1930, and with the exception of the re-organisation of the Maternity and Child Welfare Services, no material alterations have since been made.

### (1) *Public Health Officers of the Local Authority.*

The following table shewing the various public health officers of the Council is again reprinted in accordance with circular 1650 of the Ministry of Health.

Office.	Officer.	Qualifications.	Whole or Part-Time.
Medical Officer of Health. Medical Officer, Child Welfare Centres.	Francis Irvine ..	M.B., C.M. . . . .	Part-Time.
Chief Sanitary Inspector. Housing Inspector. Meat and Foods Inspector.	Thomas W. Walton.	Sanitary Inspector's Certificate, Royal Sanitary Institute and Sanitary Inspectors' Examin- ation Joint Board. Meat Inspector's Certificate, Royal Sanitary Institute. Sanitary Science as Applied to Buildings and Public Works Certificate, Royal Sanitary Institute. Diploma in General Hygiene (honours), Institute of Hygiene. Certificates : Building Construction, Build- ers Quantities, etc.	Whole Time.

[Continued.]



(I) *Public Health Officers of the Local Authority.*—Continued.

Office.	Officer.	Qualifications.	Whole or Part-Time.
Additional Sanitary Inspector.	John Topham.	Sanitary Inspector's Certificate, Royal Sanitary Institute & Sanitary Inspectors' Examination Joint Board. Meat Inspector's Certificate, Royal Sanitary Institute. Certificate : Building Construction.	Whole Time.
Health Visitor.	Miss R. E. Stead.	Health Visitor's and School Nurse's Certificate, Royal Sanitary Institute. Massage Certificate. Obstetric Nursing Certificate.	Whole Time.
Assistant Health Visitor.	Miss D. Hepple.	Health Visitor's Certificate, Royal Sanitary Institute. Certified Midwife. State Reg. Nurse.	..
Dental Surgeon. Child Welfare Centres.	H. Davis, Esq.	L.D.S.	Part Time

## DOCTORS IN ATTENDANCE AT MATERNITY AND CHILD WELFARE CENTRES.

Dr. D. G. P. BELL, *Throckley Centre*  
 Dr. H. C. COXON,                 ,,  
                 Dr. H. R. KENDAL, *Westerhope Centre.*  
                 Dr. G. B. PICTON,                 ,,

## PANEL OF SPECIALISTS FOR MATERNITY CONSULTANT SERVICES.

Professor E. FARQUHAR MURRAY.      Mr. WILLIAM HUNTER.  
Mr. H. HARVEY EVERS.                      Mr. FRANK STABLER.

## SUN-RAY SPECIALIST.

DR. NORA LONG.

ANAESTHETIST—DR. J. HOPE-POOL.

(2) *Legislation in Force.*

The following adoptive legislation, etc., is in force in the district. The table has been amended in accordance with the records of the Council.

LEGISLATION.	DATE OF ADOPTION.
Infectious Diseases (Prevention) Act, 1890 ..	1st November, 1893.
Public Health Acts (Amendment) Act, 1890. Part 3.—Sections 16–50 .. .. .	1st September, 1893.
Private Street Works Act, 1892 .. .. .	1st February, 1895.
Public Health Acts (Amendment) Act, 1907. Part 2.—Sections 15, 16, 17, 22, 27, 32 ..	} 1st April, 1909.
Part 3.—Sections 34–47, 49... .. .	
Part 4.—Sections 52–60, 62–68 .. .. .	
Part 2.—Section 21 .. .. .	3rd April, 1922.
Part 3.—Section 51 .. .. .	28th October, 1922.
Part 6.—Sections 76 & 77 .. .. .	} 27th March, 1923.
Part 10.—Section 95 .. .. .	
Part 8.—Sections 87 to 90 .. .. .	5th September, 1922.
Part 2.—Section 25 .. .. .	} 21st November, 1927.
Part 3.—Section 50 .. .. .	
Public Health Act, 1925. Part 6.—Section 56 .. .. .	By virtue of Part 6 P.H.A. (Amendment) Act, 1907 in force.
Part 2.—Section 20 .. .. .	} 1st January, 1928.
Part 3.—Sections 36 to 39, & 42 to 44 ..	
Part 4.—Sections 45 to 49 & 54 to 55 ..	
Part 2.—Sections 21 & 22 .. .. .	11th April, 1930.
Part 2.—Sections 13 to 19 & 23 to 35 ..	1st June, 1932.
Part 3.—Sections 40 & 41 .. .. .	7th May, 1935.
<b>Bye-Laws.</b>	
Cleansing of Footways and Pavements ..	16th September, 1888.
Removal of House Refuse .. .. .	do. do.
Cleansing of Earth Closets, Privies, Ashpits and Cesspools .. .. .	do. do.
Common Lodging Houses .. .. .	do. do.
Cemetery .. .. .	1st May, 1906.
Pleasure Grounds .. .. .	25th September, 1908.
Offensive Trades .. .. .	5th August, 1923, and 2nd April, 1935.
New Streets and Buildings .. .. .	2nd September, 1924.
Nuisances .. .. .	20th August, 1928.
Slaughterhouses .. .. .	12th October, 1928.

(3) *Laboratory Facilities.*

Laboratory facilities are provided at the Laboratory of the Northumberland County Council in High St., Newburn.

### *Ambulance Facilities.*

The Council possess an up-to-date ambulance housed at the Fire Station.

It is available to bona-fide residents in the Newburn Urban District at any time throughout the day or night for the removal home or to any Medical Institution in Newcastle, or other similar institution within a radius of six miles from the Fire Station, Newburn, of any case of accident or sudden illness occurring in any street or public place within the Urban District of Newburn at a charge of 1/- per return journey.

The Council has decided to allow the use of the Ambulance for the removal of accident cases from factories, workshops, collieries, etc., and private cases of illness of a non-infectious nature to and from institutions, residences, and stations conditional upon the demands of the service permitting the use of the Ambulance for such purposes :—

For removal to or from any address within the Urban District Boundary or to or from any address within the Urban District Boundary and any Medical Institution within the City of Newcastle, or other similar institution within a radius of six miles from the Fire Station, Newburn, at a charge of 1/- per return journey in the case of bona-fide residents in the Newburn Urban District.

For removal beyond the Urban District Boundary, other than specified above, and cases of non-residents of the area, a special charge of 2/6 for leaving the district and 9d. per mile for the whole of the distance traversed from leaving the Ambulance Station to returning thereto.

Where any hardship is likely to be caused by the payment of the fee, it is remitted by the Committee after consideration.

During the year 1,790 cases were removed.

### **SANITARY CONDITION OF THE AREA.**

This is dealt with in the Chief Sanitary Inspector's Report, which is given as an appendix to this Report.

## HOUSING.

This is dealt with in the appendix.

## INSPECTION AND SUPERVISION OF FOOD

This is dealt with in the appendix.

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

### (a) NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING 1937.

Table 5 shews the number of cases of infectious disease notified during the year 1937.



NEWBURN URBAN DISTRICT COUNCIL.

TABLE V.

Cases of Infectious Disease notified during the year 1937.

DISEASE.	NUMBER OF CASES NOTIFIED.													Total Cases Removed to Hospital.	No. of Deaths.
	AGE GROUPS.														
	At all Ages.	Under 1 Year	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and over.		
Smallpox . . . . .	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Enteric Fever . . . . .	..	..	..	..	..	..	20	8	5	6	..	..	48	..	
Scarlet Fever . . . . .	..	..	2	3	1	5	1	2	2	3	..	..	20	..	
Diphtheria . . . . .	..	..	..	..	..	..	12	2	2	1	1	6	1	..	
Erysipelas . . . . .	..	..	..	1	..	..	..	..	..	3	4	3	1	15	
Pneumonia . . . . .	..	1	..	..	1	1	3	3	3	7	4	3	1	..	
Encephalitis Lethargica.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Puerperal Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Puerperal Pyrexia . . . . .	6	..	..	..	..	..	..	..	2	3	1	..	2	1	
Ophthalmia Neonatorum	4	4	..	..	..	..	..	..	..	..	..	..	2	..	
Dysentery . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cerebro Spinal Fever . .	1	..	..	1	..	..	..	..	..	..	..	..	1	1	
TOTALS . . . . .	119	5	2	5	2	7	36	13	12	20	6	9	76	17	

## (b) BACTERIOLOGICAL EXAMINATIONS.

The local medical practitioners continue to avail themselves of the facilities afforded by the Northumberland County Council for the bacteriological examination of specimens from suspected cases of infectious disease.

The following statement shows the number of specimens submitted for examination during the year 1937, together with figures for the preceding four years.

Year.	Tuberculosis.		Diphtheria.		Enteric Fever.	
	Total.	Positive.	Total.	Positive.	Total.	Positive.
1933	75	13	12	..	3	2
1934	101	25	65	13	..	..
1935	80	14	90	23	5	2
†1936	106	11	47	14	3	..
1937	86	19	30	10	12	1

† Also 1 Cerebro Spinal Fluid Negative.

## (c) TUBERCULOSIS.

(1) *Public Health (Tuberculosis) Regulations, 1930.*

During the year, 31 new cases have been notified, 19 pulmonary and 12 non-pulmonary cases.

The following statement shows the number of new cases notified for the five years 1933-1937

Year.	Pulmonary.	Non-Pulmonary.	Total.
1933	28	11	39
1934	32	20	52
1935	20	11	31
1936	16	4	20
1937	19	12	31

The following table shows the age distribution of the 31 new cases and of the deaths of persons certified to be due to tuberculosis.

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
0-1	..	..	1	..	..	..	..	..
1-5	..	..	..	3	..	1	1	1
5-15	2	1	5	3	..	1	..	..
15-25	4	3	..	..	1	1	1	..
25-35	2	3	..	..	2	2	..	..
35-45	3	..	..	..	3	..	..	..
45-55	1	..	..	..	..	..	..	..
55-65	..	..	..	..	..	1	..	..
65 & over	..	..	..	..	..	..	..	..
Totals	12	7	6	6	6	6	2	1

Of the 15 deaths registered during the year, 9 were of notified cases and 6 of non-notified cases.

Table 6 shews the localisation of the new cases notified.



The following statement shews particulars of cases of Tuberculosis as appearing in the T.B. Register and supplied to the County Medical Officer of Health each quarter in accordance with the Regulations

It will be seen that there was a nett increase of 1 pulmonary and 2 non-pulmonary cases during the year.

The table shews that at the 31st December, 1937, there were, according to the records of the Department, 207 cases of pulmonary and 129 cases of non-pulmonary tuberculosis resident within the district.

The 32 cases removed from the Register during the year were for the following reasons:—

Cases Fatal . . . .	8
Patients Recovered . . .	18
Cases Left District . . .	5
Notification withdrawn . .	1

—  
32

### PARTICULARS OF TUBERCULOSIS REGISTER.

Date.		Pulmonary.			Non-Pulmonary			Total Pulmonary and Non- Pulmonary Cases.
		M.	F.	Total.	M.	F.	Total.	
31/12/36	Cases on Register ..	118	88	206	82	45	127	333
	New cases notified ..	5	1	6	2	1	3	9
	Un-notified & other cases added to Register	..	..	..	..	..	..	..
	Old cases removed ..	10	2	12	7	4	11	23
31/3/37	Cases remaining on Register ..	113	87	200	77	42	119	319
	New cases notified ..	4	3	7	2	2	4	11
	Un-notified & other cases added to Register	..	..	..	..	..	..	..
	Old cases removed ..	3	..	3	..	..	..	3
30/6/37	Cases remaining on Register ..	114	90	204	79	44	123	327
	New cases notified ..	2	3	5	3	2	5	10
	Un-notified & other cases added to Register	..	..	..	..	..	..	..
	Old cases removed ..	..	1	1	..	..	..	1
30/9/37	Cases remaining on Register ..	116	92	208	82	46	128	336
	New cases notified ..	1	2	3	..	2	2	5
	Un-notified & other cases added to Register	..	..	..	..	..	..	..
	Old cases removed ..	1	3	4	..	1	1	5
31/12/37	Cases remaining on Register ..	116	91	207	82	47	129	336

NEWBURN URBAN DISTRICT COUNCIL.

TABLE VI.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.

Details of Primary Notifications received during the year, 1937.

Quarter Ending.	PULMONARY CASES.					NON-PULMONARY CASES.						GRAND TOTAL.		PULMONARY CASES.					NON-PULMONARY CASES.						
	Lungs.	Cervical Glands.	Larynx.	Chest.	TOTAL.	Epididymis.	Ankle.	Knee.	Neck.	Abdomen.	Meninges.	TOTAL.	Pulmonary and Non-Pulmonary Cases.	WARD.				TOTAL.	WARD.				TOTAL.		
														Newburn.	Lemington.	Throckley.	Wester- hope.		Newburn.	Lemington.	Throckley.	Wester- hope.			
31/3/37	6	.	.	.	6	.	.	.	.	3	.	3		3	1	1	1	1	6	3	.	.	3	Whole District.	
30/6/37	5	1	.	1	7	.	1	.	.	3	.	4		1	1	4	.	2	7	1	3	.	.	4	
30/9/37	3	1	.	.	4	.	.	1	.	2	1	4		1	.	.	2	1	4	1	2	1	2	4	
31.12.37	2	.	.	.	2	.	.	.	.	1	.	1		.	1	.	1	1	2	.	1	.	.	1	
Totals	16	2	.	1	19	.	1	1	.	9	1	12		5	6	3	5	19	4	2	6	.		12	

Pulmonary Cases—Males				Non-Pulmonary Cases—Males			
..	12	..	6	..	6	..	6
Females				Females			
..	7	..	6	..	6	..	6
<hr/>				<hr/>			
19	19						12

(2) *Public Health (Prevention of Tuberculosis) Regulations, 1925.*

No action was necessary under these Regulations during the year.

(3) *Public Health Act, 1925 (Section 62).*

No action was necessary under this Section during the year.

(4) *Tuberculosis Scheme.*

The tuberculosis scheme is administered by the Northumberland County Council.

(5) *Diphtheria Immunisation.*

During the year only 6 school children were immunised bringing the total up to 788 (this does not include the immunisation of children under 5 years of age).

(d) VACCINATION.

The Vaccination Officer, Mr. J. E. Cockburn has given me the following statement regarding vaccination for 1937.

Number of Births .. .. .	277
Number vaccinated . . . .	69
Number exempted .. . . .	173
Number Dead before being vaccinated .. .. .	6
Number postponed .. .. .	11
Number removed out of the district .. .. .	13
Not accounted for .. .. .	5

## MATERNITY AND CHILD WELFARE SERVICES.

The following additional services were provided in connection with the Council's Maternity and Child Welfare scheme which was set out in detail in the report for 1936.

### HOME HELP SCHEME.

A scheme for the provision of Home Helps was put into operation in the area. A charge is made for the service in accordance with a scale based upon the income per head after deducting rent and rates.

### DENTAL TREATMENT—SPECIAL GENERAL ANÆSTHETIC CLINIC.

The scheme was put into operation for the extraction of teeth of expectant and nursing mothers and children under the age of 5 years whilst the patient is under a general anæsthetic. The services of Doctor J. Hope Pool, Anæsthetist, to the Dental Hospital, Newcastle-upon-Tyne, have been secured for the purposes of administering the anæsthetics.

## II.—REPORT UPON THE VARIOUS BRANCHES OF THE WORK.

### (a) ANTE NATAL CLINIC.

During the year 237 women attended giving a percentage of 74.06 (live and still) births.

### (b) POST NATAL CLINIC.

During the year five women attended, giving a percentage of 1.56 (live and still) births.



## (c) MATERNITY AND CHILD WELFARE CENTRES.

Table VII. shews the attendance at each Clinic.

The following statement shews the attendances of expectant mothers and infants at the Centres for the last five years.

**TABLE VII.**

	Westerhope.			Lemington.			Throckley.			Total.		
Year.	Under 1 year.	Others	Total	Under 1 year.	Others	Total	Under 1 year.	Others	Total	Under 1 year.	Others	Total
1933	724	584	1308	2207	930	3137	1205	680	1885	4136	2194	6330
1934	638	491	1129	1677	1047	2724	1173	695	1868	3488	2233	5721
1935	922	761	1683	1883	1123	3006	2116	1219	3335	4921	3103	8024
1936	1091	747	1838	2016	1313	3329	3707	2563	6270	6814	4623	11437
1937	881	689	1570	1449	1293	2742	3278	2835	6113	5608	4817	10425
Totals	4256	3272	7528	9232	5706	14938	11479	7992	19471	24967	16970	41937

In addition the following mothers attended for food or advice without their babies :—

Westerhope	..	..	259
Lemington	..	..	568
Throckley	..	..	924
		—	1751

The following consultations took place with the doctors at the Child Welfare Centres :—

Westerhope	..	..	293
Lemington	..	..	405
Throckley	..	..	552

## (d) DENTAL TREATMENT.

The scheme of Dental Treatment continues its good work with steadily increasing numbers.

The Council's Dental Surgeon (H. Davis, Esq., L.D.S.) reports the following work done during the year 1937 :—

Number of Patients attended Clinic .	309
Number of Attendances . . . . .	571
Extractions—Local Anæsthetic . . . . .	1134
„ —General Anæsthetic . . . . .	627
Fillings . . . . .	74

## (e) MATERNITY HOSPITAL TREATMENT.

During the year 33 Maternity cases were sent to the Princess Mary Maternity Hospital, Newcastle-upon-Tyne, of these 23 were emergency cases, the remainder being sent in by the Medical Officer of Health.

## (f) MATERNITY CONSULTANT SERVICE.

The services of the Consultants were required upon 16 occasions. Operative assistance being provided in 3 instances.

## (g) MATERNITY EMERGENCY SERVICES.

The Princess Mary Hospital Emergency unit was called out upon two occasions, and the following is an extract from the report of the Consultant Obstetrician in attendance in one of the cases.

*Inter alia.* “ It was later decided that a blood transfusion “ was necessary and this was performed . . . . I am not “ aware of any other case in which a blood transfusion has “ been carried out by a domiciliary emergency unit of this “ class in the provinces.”

## (h) ANÆSTHETIST SERVICE.

The services of an anæsthetist were required on one occasion.

## (i) TREATMENT OF SICK AND AILING CHILDREN.

2 cases were sent to the Babies' Hospital, Newcastle-upon-Tyne, during the year.

## (j) TONSILS, ADENOIDS, MASTOIDS, ETC.

During the year 24 cases were dealt with.

## (k) ORTHOPÆDIC TREATMENT.

One case was sent to the County Council Clinic during the year.

## (l) SUN-RAY TREATMENT.

The following report has been received from Dr. N. Long, relative to her work carried out at the Clinics during the year 1937.

**REPORT ON NEWBURN SUN-RAY CLINIC, 1937.**

TO THE MEDICAL OFFICER OF HEALTH.

Sir,

I have the honour to present the report of the Sun Ray Clinic at Throckley for the year ended 31st December, 1937.

The total number of patients was 196—152 new patients and 44 continued from 1936.

There were 11 men—3 from 1936 ;

89 women—17 from 1936 ;

96 children—24 from 1936.

*Under 5 years :—*

*Between 5 and 14 years :—*

Boys, 26

Boys, 24

Girls, 28

Girls, 18

The diseases treated and the results were as follows :—



# DISEASES TREATED AND RESULTS AT NEWBURN SUN-RAY CLINIC, 1937.

28

DISEASE.	PATIENTS.	RESULT.				REMARKS.
		CURED.	MUCH IMPROVED.	IMPROVED.	NIL.	
Rheumatism Including Osteo-Arthritis, Rheumatoid Arthritis and Infective Arthritis	21	..	14	7	..	All chronic conditions with pain and crippling deformity. Several patients enabled to resume household duties after irradiation. One patient with complicating Neurasthenia made a remarkable recovery.
Fibrositis .. .. .	15	6	5	3	1	One patient ceased attending.
Sleeplessness following operation	1	1				
Alopecia .. .. .	5	4	..	1	..	
Ante-natal .. .. .	5	..	5	..	..	
Post-natal .. .. .	2	..	2	..	..	
Pyorrhœa .. .. .	2	..	2	..	..	
Enuresis .. .. .	3	2	..	1	..	The results of irradiation these patients were highly satisfactory.
Sciatica .. .. .	3	..	2	..	1	
Neuritis .. .. .	2	2	..	..	..	
Neurasthenia .. .. .	5	2	3	..	..	
Rickets (including 7 with Bronchitis).	26	11	9	2	4 ceased attending.	All patients with Bronchitis were cured.
Bronchitis .. .. .	17	4	5	5	..	Three patients still attending.

DISEASE.	PATIENTS.	RESULT.				REMARKS.
		CURED.	MUCH IMPROVED.	IMPROVED.	NIL.	
Asthma .. ..	11	2	6	2	1	The patients apparently cured were aged 12 years and 13 $\frac{9}{12}$ years.
Cervical Adenitis .. ..	24	10	11	2	1	Results highly satisfactory in several patients, especially in one with Tubercular Abscess, who was able to resume work within four months of her first irradiation.
Keratitis .. ..	1	1	..	..	..	
Lupus .. ..	2	..	2	..	..	
Septic Sinus following operation.	1	..	1	..	..	Ceased attending.
Acne .. ..	2	..	2	..	..	
Dermatitis .. ..	3	3	..	..	..	
Furunculosis .. ..	2	..	1	..	..	One patient ceased attending after first irradiation.
Eczema .. ..	1	1	..	..	..	
Urticaria .. ..	1	1	..	..	..	
Scabies .. ..	1	1	..	..	..	
Debility .. ..	34	12	13	3	6	Two patients ceased attending. Several had dental caries. 1 septic tonsils. The response to irradiation was most gratifying in the majority of patients, especially noticeable in one child with postural scoliosis, the back muscles became normal before the end of his first course of treatment.

SIGNED,

NORA LONG M.B., B.S.

NEWBURN URBAN DISTRICT COUNCIL.  
**TABLE VIII.**  
Particulars of Work carried out under the Notification of Births Act, 1907.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.
Number of Births notified .. ..	25	23	25	29	34	29	26	27	33	18	25	23	317
Number of Births not notified .. ..	4	..	..	3	2	3	..	..	1	..	2	..	15
Number of Births notified by Doctors, etc. ..	18	12	17	21	14	13	14	12	18	11	12	11	173
Number of Births notified by Midwives ..	9	12	9	8	21	18	13	17	16	8	16	15	162
Number of Stillborn .. ..	2	1	1	..	1	2	1	2	1	1	3	3	18
Number of first visits to Infants .. ..	25	37	20	43	32	32	23	28	29	24	16	24	333
Number of re-visits to Infants .. ..	36	57	64	58	44	53	44	67	50	44	71	75	663
Number of visits to Children 1—5 years ..	136	207	242	247	161	200	195	226	208	118	195	149	2284
Number of first visits to Expectant Mothers	5	5	3	3	1	4	3	2	2	2	1	1	32
Number of re-visits to Expectant Mothers ..	2	3	11	8	4	11	2	11	7	8	7	10	84
Casual visits of Health Visitors .. ..	28	35	30	48	24	27	34	30	29	40	26	36	387

## (m) DIPHTHERIA IMMUNISATION.

24 children under the age of 5 years were immunised during the year, making a total of 138 immunisations to date of children under 5 years of age.

## (n) BIRTH CONTROL.

During the year 5 cases were sent to the Women's Welfare Centre, Shieldfield Green, Newcastle-upon-Tyne.

## (o) FREE MILK, ETC.

During the financial year ending 31st March, 1938, the value of the free milk distributed (cost price) was £291.

## (p) SALE OF DRIED MILK AND BABY FOOD.

The sales of dried milk and baby food for the financial year ending 31st March, 1938, amounted to £551.

## III.—NOTIFICATION OF BIRTHS ACT.

Table VIII. shews the number of notifications received and the visits paid by the Health Visitor under the above Act, during the year as compared with the number of births registered.

Number of Births Registered :—

		Males.	Females.	Total.
Legitimate	..	156	140	296
Illegitimate	..	4	5	9
		<hr/>	<hr/>	<hr/>
		160	145	305
		<hr/>	<hr/>	<hr/>

## (q) HOME HELPS.

The scheme was put into operation near the close of the year, and the services of a home help were required upon one occasion.

(4) *Maternal Mortality.*

Six cases of Puerperal Pyrexia were notified during the year, two patients being moved to hospital. Five Patients recovered.

Three maternal deaths occurred during the year (one from sepsis and two from other causes) giving a maternal mortality rate of 9.9.

(5) *Ophthalmia Neonatorum.*

Four cases of Ophthalmia Neonatorum were notified during the year, two of the patients being moved to hospital.

(6) *Children's Act, 1908. Part I.*

The administration of this portion of the above Act is undertaken by the Council. Two children were on the register at the close of the year.

The Council's Health Visitor, Miss Stead, visits all cases where infants are received for reward.

FRANCIS IRVINE,

MEDICAL OFFICER OF HEALTH.

*June, 1938.*



**APPENDIX.**

**Newburn Urban District Council.**

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**Chief Sanitary Inspector's Report,  
1937.**

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TO DR. FRANCIS IRVINE, MB., C.M.

Sir,

I beg to submit to you my Annual Report for the year ending December 31st, 1937.

This is an ordinary report as defined by Circular 1650 of the Ministry of Health, dated 4th October, 1937.

**SANITARY CIRCUMSTANCES OF THE DISTRICT.**

**(a) WATER SUPPLY.**

The whole area is supplied with water from the mains of the Newcastle & Gateshead Water Company, with the exception of the Smallpox Hospital and a few farms.

**(b) RIVERS AND STREAMS.**

These have been kept under observation during the year.

## (c) DRAINAGE AND SEWERAGE.

The general character of the drainage is good with the exception of the older properties.

The whole of the sewage of the area discharges into the River Tyne.

## (d) CLOSET ACCOMMODATION.

At the close of the year there were 5,707 water closets, 23 pail closets and 52 privies in use in the district.

## (e) COLLECTION AND DISPOSAL OF HOUSE REFUSE.

The refuse collection and disposal is carried out by the Surveyor's Department.

## (f) SANITARY INSPECTION OF DISTRICT

(1) *Number and Nature of Inspections.*

Premises.	Visits.
Housing Inspections under the Regulations of 1925 .. .. .	16
Visits under Overcrowding provisions. Housing Act, 1936 .. .. .	2446
Visits and Re-visits under the Public Health Acts and Housing Acts ..	551
Shops and Food Stores .. .. .	103
Dairies, Cowsheds and Milkshops ..	197
Slaughterhouses .. .. .	310
Tents and Vans, etc. .. .. .	—
Offensive Trades .. .. .	80
Factories and Workshops .. .. .	20
Keeping of Animals .. .. .	7
Refuse Receptacles .. .. .	60
Offensive Accumulations .. .. .	1
Smoke Nuisances .. .. .	1



Visits <i>re</i> Infectious Disease .. ..	113	
Visits <i>re</i> Disinfection .. ..	122	
Visits <i>re</i> Verminous Premises .. ..	133	
	<hr/>	368
Visits <i>re</i> Milk Samples .. ..	139	
Visits <i>re</i> Shops Act .. ..	97	
Visits <i>re</i> Tenancy of Council Houses..	324	
Visits <i>re</i> Inspection of Council Houses	136	
Miscellaneous Visits .. ..	743	
	<hr/>	1439
Total ..		5799

(2) *Number of Notices served.*

To secure the abatement of nuisances and the removal of defects and conditions dangerous to health, the following action was taken in respect of 1302 defects :—

Informal Notices .. ..	30
Letters or Interviews .. ..	320

*Statutory Notices.*

Section 9, Housing Act, 1936 .. ..	.
Section 45, Public Health Act, 1936 ..	.
Section 46, Public Health Act, 1936 ..	.
Section 43, Public Health Act, 1936 ..	.
Section 44, Public Health Act, 1936 ..	.
Section 47, Public Health Act, 1936 ..	.
Total ..	<hr/> .

(3) *Record of Works Completed.*

The following statement shows details of the works carried out as a result of the action taken above :—

Complaints attended to .. ..	151
------------------------------	-----

*Drainage :—*

Yard drains repaired	..	..	..	28
Choked gullies cleansed	..	..	..	2
New gullies provided	..	..	..	8
New drains laid	..	..	..	1
Gully grates provided	..	..	..	4
Inspection Chambers provided	..	..		5
Open drain for washing water demolished	..			1

*Sanitary Conveniences :—*

W.C. Pans refixed	..	..	..	6
W.C. Seats repaired	..	..	..	8
W.C. Pans renewed	..	..	..	3
W.C. Cone joints repaired		..	..	4
W.C. Cisterns repaired	..	..	..	11
W.C. Burst pipes repaired		..	..	7
W.C. Structures repaired	..	..	..	28
W.C. flush pipes repaired		..	..	1
W.C. Provided	..	..	..	40

*Refuse Receptacles :—*

Covered ashpits abolished	..	..		42
Portable ashbins provided	..	..		44
Ashbins renewed	..	..	..	18

*Shops Act :—*

W.C. accommodation provided	..			1
-----------------------------	----	--	--	---

*Housing :—*

Yard surfaces repaired	..	..	..	13
External Brickwork repaired	..	..		18
Ceilings repaired	..	..	..	181

*Housing (contd.) :—*

Plaster repaired .. .. .	222
Roofs repaired .. .. .	60
Internal woodwork repaired .. ..	30
Food Stores repaired .. .. .	—
Ovens repaired .. .. .	24
Windows overhauled and repaired ..	84
Nuisances from dampness abated ..	67
Waste pipes repaired .. .. .	21
Insanitary woodwork to sinks repaired..	6
Staircases and handrails repaired ..	5
Ventilated Foodstores provided .. ..	—
Eaves gutters repaired, cleansed and renewed .. .. .	17
Rainwater pipes repaired .. .. .	10
Fireplaces repaired .. .. .	56
Floors repaired .. .. .	18
Washing coppers repaired or renewed ..	14
Doors repaired or renewed .. .. .	80
New scullery sinks provided .. .. .	—
Scullery Sinks renewed .. .. .	2
Burst Waterpipes and taps repaired ..	23
Water Supply provided .. .. .	1
Dirty premises cleansed .. .. .	4
Smoke nuisances .. .. .	7
Flues repaired .. .. .	1
Hearth repaired .. .. .	1

*Cowsheds, Dairies and Milkshops :—*

Cowsheds cleansed and limewashed ..	28
-------------------------------------	----

*Bakehouses :—*

Cleansed and limewashed	..	..	3
-------------------------	----	----	---

*Food Premises and Shops :—*

Premises cleaned	..	..	..	6
Walls stripped and limewashed	..	..	2	
Fish boxes removed	..	..	..	2

*Miscellaneous :—*

Accumulation removed	..	..	..	1
Distributing toys from rag cart	..	..	2	

*(g) PLACES OF PUBLIC ENTERTAINMENT.*

In accordance with Circular 120 of the Ministry of Health, the four cinemas in the district have been periodically visited.

*(h) FACTORIES, WORKSHOPS AND WORKPLACES.**(1) Inspection of Factories, Workshops and Workplaces.*

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Occupiers prosecuted. (4)
Factories (including Factory Laundries) . . .	—	—	—
Workshops (including Workshop Laundries)	10	—	—
Workplaces (other than Outworkers' premises)	1	—	—
Total .	11	—	—

## (2) Defects found in Factories, Workshops and Workplaces.

Particulars.  (1)	Number of Defects.			Number of offences in respect to which Prosecutions were instituted.  (5)
	Found.  (2)	Remedied.  (3)	Referred to H.M. Inspector of Factories.  (4)	
Nuisances under the Public Health Acts :—				
Want of cleanliness . . . . .	4	4	—	—
Want of ventilation . . . . .	—	—	—	—
Overcrowding . . . . .	—	—	—	—
Want of drainage to floors . . . . .	—	—	—	—
Other nuisances . . . . .	—	—	—	—
Sanitary Accommodation				
Insufficient, unsuitable or defective . . . . .	1	1	—	—
Not separate for sexes . . . . .	—	—	—	—
Offences under the Factory and Workshop Acts :—				
Illegal occupation of Underground Bakehouse (S. 101) . . . . .	—	—	—	—
Other Offences :— (Excluding offences relating to outwork and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921) . . . . .	—	—	—	—
Total . . . . .	5	5	—	—



The following table gives the various numbers of occupations herein :—

Manufacturing Chemists	..	..	I
Cord Manufacturers	..	..	I
Bakers and Confectioners	..	..	10
Garages	..	..	8
Laundries	..	..	I
Tailors	..	..	I
Builders	..	..	I
Plumbers	..	..	2
Boot Repairers	..	..	7
Joiners and Cabinet Makers	..	..	6
Blacksmiths	..	..	2
Glass Makers	..	..	I
Brickworks	..	..	3
Spring Makers	..	..	1
			—
Total			45

#### (i) RATS AND MICE (DESTRUCTION) ACT, 1919

Continual efforts have been made to deal with nuisances arising from rats, and informal action has taken place under the above Act.

The services of a Ratcatcher were again retained by the Council for the year, and his duties include the regular and periodical inspection of the refuse tips used by the Council, and other Council property. During the year 764 rats have been killed and 5890 Baits were laid. The tips were fairly free of rats at the end of the year.

#### (j) SMOKE ABATEMENT.

The Council is represented on the Northumberland and Durham Advisory Regional Smoke Abatement Committee.

Smoke observations are taken periodically.

Classes for Stokers were held at Rutherford College, Newcastle, during the year and the attention of the firms in the area was drawn to the course of lectures and demonstrations.

## (k) OFFENSIVE TRADES.

The trade of tripe boiling as carried on at the several slaughterhouses is supervised in conjunction with the routine visits thereto, and is generally satisfactory. The trades are governed by Byelaws, and the trade of fish fryer and rag and bone dealer have been added to the statutory list of offensive trades. There are in the district four tripe boilers and twelve fish fryers, all of whom conduct their business in a satisfactory manner and have been subject to periodical inspection.

**HOUSING (Consolidated) REGULATIONS, 1925.**

Tabular Statement as required by Article 31, for Year 1937..

*Houses erected during the year :—*

	With State assistance.	Unaided.	TOTAL.
(a) By Local Authority ..	..	..	..
(b) By other Bodies or Persons	..	95	95

*(1) Inspection of Dwelling Houses during the year :—*

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) .. .. .	241
(b) Number of inspections made for the purpose	826
(2) (a) Number of dwelling houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 .. .. .	16
(b) Number of inspections made for the purpose	34
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .. .. .	14
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation .. .. .	150

(2) *Remedy of Defects without Service of Formal Notices.*

Number of defective dwelling houses rendered fit in consequence of informal action by Local authority or its officers	..	..	..	117
---	----	----	----	-----

(3) *Action under Statutory Powers :—*(a) *Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936 :—*

- |     |   |         |   |
|-----|---|---------|---|
| (1) | Number of dwelling houses in respect of which “ notices ” were served requiring repairs | ..      | — |
| (2) | Number of dwelling houses which were rendered fit after service of formal notices :—    |         |   |
|     | (a) By Owners   | .. .. . | — |
|     | (b) By Local Authority in default of owners   | ..      | — |

(b) *Proceedings under Public Health Acts :—*

- |     |  |         |   |
|-----|--|---------|---|
| (1) | Number of dwelling houses in respect of which notices were served requiring defects to be remedied | .. .. . | — |
| (2) | Number of dwelling houses in which defects were remedied after service of formal notices :—        |         |   |
|     | (a) By Owners  | .. .. . | — |
|     | (b) By Local Authority in default of owners  | .. .. . | — |

(c) *Proceedings under Sections 11 and 13 of Housing Act, 1936 :—*

- |     |   |       |   |
|-----|---|-------|---|
| (1) | Number of dwelling houses in respect of which Demolition Orders were made | ..    | 8 |
| (2) | Number of dwelling houses demolished in pursuance of Demolition Orders    | .. .. | — |

(d) *Proceedings under Section 12 of the Housing Act, 1936* —

- |     |   |         |   |
|-----|---|---------|---|
| (1) | Number of separate tenements or underground rooms in respect of which Closing Orders were made  | .. .. . | — |
| (2) | Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | .. .. . | — |

(4) *No. of Houses Permanently Discontinued as Dwellings and not included above* .. .. —

## ERADICATION OF BED BUGS.

## (1) The number of

(a) Council houses infested	..	..	22
(i.) Council houses disinfested	.	30 (adjoining houses disinfested).	
(b) other houses infested	..	..	22
(i.) other houses disinfested	..		22

## (2) Methods employed for freeing infested houses from bed bugs.

## (a) Council houses.

(i.) Hydrogen Cyanide	..	..	13
(ii.) Cimex	..	..	8
(iii.) Sulphur candles	..	..	3
(iv.) Sprayed with Cromessol and use of blow lamp	..		5
(v.) Patent gas used by contractors			1

## (b) Other houses.

(i.) Sulphur candles supplied	..	22
(disinfestation by owners or occupiers).		

(3) The furniture and houses of prospective Council house tenants are examined by the Sanitary Inspector prior to the confirmation of the tenancy. The House Letting Committee has given the Sanitary Inspector full authority to turn down any tenant when he finds vermin at the time of his inspection.

## (4) Method of disinfestation.

## (a) Contractor—Council houses.

(i.) Hydrogen cyanide	..	..	13
(ii.) Patent gas	..	..	1

## (b) Council.

(i.) Council houses	..	..	16
(ii.) Private houses	..	..	1

## (c) Other houses.

(i.) Work carried out by tenants or owners.			
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## 5 YEAR CLEARANCE PROGRAMME.

The following table shews the 5 year provisional programme submitted to the Minister of Health in 1933, together with a statement shewing the position in March, 1938.



# NEWBURN URBAN DISTRICT COUNCIL.

## Copy of Provisional Programme, shewing position in March 31st, 1938.

CLEARANCE AREA.	No. of Houses to be demolished.	No. of Houses dealt with.	PRESENT POSITION.
1—High Row Area, Lemington ..	19	19	Clearance order confirmed, tenants re-housed, property demolished.
2—Carrs Row Area, Lemington ..	6	6	Do.
3—High Street Area, Newburn ..	3	3	Do.
4—Middle Row Area, Lemington ..	20	20	Dealt with as Middle Row Clearance Order—16 houses and Factory Row Clearance Order—3 houses and one individual unfit house. Orders made, confirmed, tenants rehoused and property demolished.
5—Pumping Engine Area, Scotswood ..	9	9	Clearance order confirmed, tenants rehoused, property demolished.
6—Syntax Square Area, Lemington ..	5	5	Do.
7—Carrs Cottage Area, Lemington ..	10	10	{ Dealt with as Carrs Cottages, No. 1 area—2 houses } Orders confirmed, tenants displaced, property demolished. Do. No. 2 area—3 houses Do. No. 3 area—4 houses and one individual unfit house—undertaking accepted house will not be used for human habitation.
8—High Square Area, Walbottle ..	10	10	Clearance Order made and confirmed.
9—Denton Square Area, Denton Burn ..	15	15	Area transferred to Newcastle in March, 1935.
10—Grove Bank Area, Walbottle ..	2	2	Houses converted into stable by owner.
11—The Winning Area, Newburn ..	9	8	{ Dealt with as Winning No. 1 area—2 houses } Orders made and confirmed, tenants of 5 houses displaced, and 5 houses demolished. Do. No. 2 area—4 houses
<b>IMPROVEMENT AREAS.</b>			
Black Row, Denton ..	5	5	3 houses as individual unfit houses. Demolition order made respecting 2 houses, remaining one made in April, 1937.
High Row, North Walbottle ..	8	—	Treated as Black Row Clearance Area—Order confirmed, tenants rehoused, property demolished.
Low Row, North Walbottle ..	7	—	Procedure in hand.
Millfield, Newburn ..	—	—	Do.
Dewley Mill, Throckley ..	4	7	Results achieved without the formality of a scheme. Treated as a Clearance Area—7 houses, but order not made—Crown Property. —Dealt with as 7 individual unfit houses, to allow undertakings to be accepted that houses will not be used for human habitation, houses to be used for piggeries.
<b>INDIVIDUAL UNFIT HOUSES (25)</b> at the rate of 5 per annum.	25	31	5 houses transferred to Newcastle, March, 1935. 2 houses teated as High Street, Newburn Clearance Area. Order confirmed. 17 houses dealt with by Demolition Orders or put out of use for human habitation. 7 houses dealt with as Water Row Clearance Area.
	157	150	



## HOUSING (RURAL WORKERS) ACT, 1926.

There were no applications for assistance under the Act during 1937.

## INSPECTION AND SUPERVISION OF FOOD.

The bacteriological sampling of milk and the chemical examination of the samples for advisory purposes by means of the Gerber method was continued.

Further detailed particulars regarding the food supplies of the district will be found in later sections of the report.

### (a) MILK SUPPLY.

#### (1) *Milk and Dairies Order, 1926.*

The following is a summary of the particulars as recorded in the Register at the 31st December, 1937.

Number of persons registered as cow-keepers .. .. .	15
Number of premises registered as cow-sheds .. .. .	24
Number of cows kept on registered premises (approx.) .. .. .	285
Number of cowkeepers retailing milk ..	15
Number of persons registered as dairymen .. .. .	23
Number of persons registered as retail purveyors .. .. .	50
Number of cowkeepers outside district retailing in the area .. .. .	5
Number of dairymen outside the district retailing in the area .. .. .	6
Number of premises registered as dairies ..	26

*(a) Bacteriological Examination of Milk.*

The bacteriological examination of milk which was commenced in 1927 has been continued throughout the year. Four samples are taken annually from each supply and are examined for total bacterial and bacillus coli content, and two samples examined annually for the presence of tubercle bacilli. Additional check samples are taken as and when required.

The following statement shows the number of examinations carried out, viz. :—

	Local.	Outside District.
Number of samples collected ..	54	38
Samples examined for total bacterial count or Methylene Blue Reduction Test .. ..	54	38
Samples examined for coliform bacilli .. .. .	54	38
Samples examined for tubercle bacilli .. .. .	31	22

*(b) Methylene Blue Reduction Test.*

During the year the Methylene Blue Reduction Test was adopted in place of the Total Bacterial Count Examination. To satisfy the prescribed Methylene Blue Reduction Test the sample must not decolourise Methylene Blue within  $4\frac{1}{2}$  hours if the sample is taken at any time from the 1st May to the 31st October ; or within  $5\frac{1}{2}$  hours if the sample is taken at any time from the 1st November to the 30th April.

Of the 54 samples produced in the district 34 or 63% were satisfactory.

Of the 38 samples produced outside the district 23 or 60% were satisfactory.

The following table gives comparisons for the 3 years 1933, 34 and 35, years of sampling for total bacterial count ; the year 1936 for total bacterial count or methylene blue examination, and last year for Methylene Blue examination.

Year.	Samples Taken.								Total Samples obtained.	% Total Satisfactory.
	Local Producers.				Producers outside Area.					
	Satisfactory.	Un-satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un-satisfactory.	Total.	% Satisfactory.		
1933	79	4	83	95.2	20	6	26	77.0	109	90.8
1934	73	5	78	93.6	22	6	28	78.0	106	89.6
1935	68	4	72	94.4	17	1	18	94.4	90	94.4
1936	37	10	47	78.7	13	13	26	50.0	73	68.5
1937	34	20	54	63.0	23	15	38	60.0	92	60.0

(b) COLIFORM BACILLI.

The standard adopted is that the milk must not contain coliform bacillus in one-hundredth millilitre.

Of the 54 samples produced in the district, 43 or 79 per cent. were satisfactory.

Of the 38 samples produced outside the area, 26 or 68 per cent. were satisfactory.

To summarise, of 92 samples examined for coliform bacilli, 69 or 75% were satisfactory.

The following table gives comparisons for the last five years.

Year.	Samples Taken.								Total Samples obtained.	% of Total Satisfactory.
	Local Producers.				Producers outside Area.					
	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.		
1933	65	18	83	78	14	12	26	53	109	72
1934	64	14	78	82	17	11	28	60	106	76
1935	60	12	72	83	14	4	18	77	90	82
1936	27	10	37	73	10	6	16	62	53	70
1937	43	11	54	79	26	12	38	68	92	75

### (c) TUBERCLE BACILLI.

33 samples of milk produced in the district were examined of which 5 or 15.0% were positive. 24 samples of milk produced outside the area were examined and 3 were positive giving a percentage of 12.5.

To summarise, of the 57 samples examined for the presence of tubercle bacilli, 8 or 14.0% gave positive results.

When samples are taken from a large herd, samples are submitted for biological examination from each byre.



The following table gives the comparisons for the last five years :—

Year.	Samples Taken.								Total Samples obtained.	% of Total Positive.
	Local Producers.				Producers outside Area.					
	Negative.	Positive.	Total.	% Positive.	Negative.	Positive.	Total.	% Positive.		
1933	50	4	54	7.4	13	1	14	7.1	68	7.4
1934	43	3	46	6.5	14	2	16	12.5	62	8.0
1935	37	4	41	9.7	10	1	11	9.1	52	9.6
1936	21	6	27	22.2	18	1	19	5.3	46	15.2
1937	28	5	33	15.0	21	3	24	12.5	57	14.0

(d) SUMMARY.

In all, 92 portions of milk were obtained during the year for foregoing examination and of this total, 47 or 51% were satisfactory in every respect.

The following table shows comparisons of results of the examinations for the last five years of all the samples taken.

Year.	Samples Examined.								Total Satisfactory.	Total Unsatisfactory.	Total Examined.	% of Total Satisfactory.
	Local Producers.				Producers outside Area.							
	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.				
1933	69	22	91	75.8	12	14	26	46.1	81	36	117	69.1
1934	67	18	85	78.8	14	14	28	50.0	81	32	113	71.6
1935	60	12	72	83.3	13	5	18	72.4	73	17	90	81.1
1936	28	19	47	59.5	14	15	26	42.3	39	34	73	53.4
1937	27	27	54	50.0	20	18	38	78.0	47	45	92	51.0



(3) *Tuberculosis Order, 1925.*

The information supplied by the County Council states that 2 animals in the Newburn Area have been slaughtered (these animals have been discovered as a result of positive milk samples obtained by this department.)

In addition the Newcastle Corporation were notified that a sample of milk produced in their area was positive and one animal was slaughtered.

(4) *Sterilized Milk.*

6 samples of sterilized milk produced outside the area were obtained during the year. The plates of the 6 samples were sterile. *Bacillus Coli* was absent in .01 c.c.

6 samples were submitted for biological examination for T.B. All were negative.

(5) *Graded Milk.*

TUBERCULIN TESTED.

7 samples were obtained and 4 conformed with the standard for Tuberculin Tested Milk.

6 samples were submitted for biological examination for Tubercle Bacilli and the results were negative.

ACCREDITED.

One sample was obtained and complied with the prescribed standard.

PASTEURISED :—

4 Samples of Pasteurised Milk were obtained and all conformed with the standard, viz. :—total bacterial count not to exceed 100,000 per c.c.

There is no *B. Coli* standard for Pasteurised Milk, but applying our local standard for satisfactory ordinary milk, all were satisfactory.

2 samples were submitted for the tubercle bacilli examination and were negative.

(b) MEAT.

(1) *Meat Inspection.*

The following summary shows the work done under the Public Health (Meat) Regulations, 1924, during the year, 1937.

## Number of Notices received :—

## (a) Slaughterhouses—

(a) Killing on definite days	..	6	
(b) Occasional killing	.. ..	22	
		—	28

## Number of Visits paid :—

(a) Slaughterhouses	.. ..	310	
(b) Butchers' Shops etc.	.. ..	103	
		—	413

Number of bovine carcasses examined	..	462	
Number of sheep carcasses examined	..	1153	
Number of pig carcasses examined	..	395	
		—	2010

All animals slaughtered in the area were examined.

As a result of these inspections and examinations, 98 separate diseased or unsound conditions were discovered and the carcasses or organs dealt with. Details of the conditions are given below :—

			Weight lbs.
<i>Bovine Carcasses.</i>			
25	Separate seizures affected		
	with Tuberculosis	. .	1389
15	do.	Cirrhosis	. . 152
16	do.	Abscesses	. . 252
1	do.	Necrosis	. . 2
4	do.	Flukes	. . 38
		—	1833

*Sheep Carcasses.*

4	Separate seizures affected with Abscesses	. .	9
2	do.	do. Parasites	. . 8
1	do.	do. Pleurisy	. . 3
1	do.	Bruised	.. .. 9
1	do.	Moribund	.. 60
		—	89

*Pork Carcasses.*

24	Separate seizures affected		
	with Tuberculosis	. .	276
1	do.	Pleurisy	. . 3
2	do.	Cirrhosis	. . 7
1	do.	Abscesses	. . 1
		—	288

Total weight of Meat dealt with . 2,210 lbs.

By comparison with the number of carcasses inspected the following table has been compiled showing the incidence of disease in the different food animals for the last five years.

Animals.	All Diseased Conditions.				Tuberculosis.			
	Slightly Affected.		Extensively Affected.		Slightly Affected.		Extensively Affected.	
	No.	%	No.	%	No.	%	No.	%
BOVINES—								
1933	170	31.50	—	—	49	8.97	—	—
1934	95	18.41	—	—	50	9.69	—	—
1935	83	15.89	1	0.19	38	7.36	1	0.19
1936	85	14.60	—	—	55	10.70	—	—
1937	60	13.00	1	0.21	24	5.20	1	0.21
SHEEP—								
1933	15	1.01	1	0.04	—	—	—	—
1934	4	0.69	2	0.09	—	—	—	—
1935	18	0.19	1	0.07	—	—	—	—
1936	12	0.80	—	—	—	—	—	—
1937	8	0.68	1	0.07	—	—	—	—
PIGS—								
1933	59	11.13	6	1.13	51	9.62	4	0.75
1934	32	8.46	—	—	30	7.93	—	—
1935	23	5.37	2	0.47	17	3.97	2	0.47
1936	21	4.20	—	—	17	3.80	1	0.22
1937	28	7.10	—	—	24	6.00	—	—

No chilled meat was condemned during the year. The butchers of the district are to be congratulated on the quality of their purchases as is evidenced by the small percentage of meat condemned. They are always willing to co-operate at all times with your officials.

### (c) OTHER FOODS.

#### (2) *Stalls, Shops, Stores and Vehicles.*

The provisions of the Regulations have been complied with in a fairly satisfactory manner. Several infringements of the Regulations have been remedied as a result of informal action.

ADMINISTRATIVE COUNTY OF NORTHUMBERLAND.

NEWBURN URBAN DISTRICT COUNCIL.

Chief Sanitary Inspector's Annual Summary required by County Council,  
Year ending 31st December, 1937.

CLASSIFICATION.		No. of Inspections during Year.	No. of Defects or Contraventions of Bye-laws.	No. Outstanding from Previous Year.	Total.	No. Remedied after Letter or Interview.	No. of Informal Notices served.	Defects Remedied there- after	No. of Statutory Notices Served.	Defects Remedied there- after	In Progress or being dealt with.	Legal Proceed- ings.
<b>Housing.</b>	Structural Defects ..	467	981	592	1573	1165	}	46	}	71	291	..
	Defective Food Store ..	7	88	53	141	71		10		6	54	..
	Dampness ..	2446	20	1	21	4		..		..	17	..
	Overcrowding ..							..		..		..
	Nuisances ..							..		..	3	..
	Conditions in homes of prospec- tive tenants of Council Houses 324 {	496	9	2	11	8						
	Verminous premises .. 133 }											
<b>Water Supply.</b>	Insufficient ..	4	4	1	5	4	}	..	}	..	1	..
	Unsatisfactory ..		..	..	..	..		..		..	..	..
<b>Drainage.</b> (Includ- ing sink w.p. etc.) {	Insufficient ..	186	1	11	12	12	}	..	}	..	..	..
	Defective ..		48	30	78	47		4		..	27	..
<b>Sanitary Con- veniences.</b>	Insufficient ..	17	..	44	44	4	}	..	}	40	..	..
	Defective ..		61	65	126	85		5		5	31	..
Shops, Food Stores, etc. ... Dairies, Cowsheds and Milkshops Slaughter Houses .. Tents, Vans, etc. .. Offensive Trades .. Workshops and Workplaces Keeping of Animals Insanitary Ashpits and Receptacles Ashpits Improperly used .. Offensive accumulations .. Smoke Nuisances .. Petrol Stores ..	..	97	15	..	15	5	}	..	}	..	10	..
	..	198	29	..	29	28		..		..	1	..
	..	310	1	..	1	1		..		..	..	..
	..	..	..	..	..	..		..		..	..	..
	..	81	10	1	11	9		..		..	2	..
	..	20	1	..	1	..		..		..	1	..
	..	15	..	..	..	..		..		..	..	..
	..	31	33	64	97	34		2		40	21	..
	..	..	..	..	..	..		..		..	..	..
	..	8	1	..	1	1		..		..	..	..
	..	1	1	..	1	1		..		..	..	..
	..	..	..	..	..	..		..		..	..	..
Totals ..		4377	1303	864	2167	1479	30	67	..	162	459	..



(3) *Slaughterhouses.*

There are in the district nine licensed slaughterhouses subject to annual licenses expiring on the 31st December of each year. Five of these have been in regular use throughout the year, and the other four have not been used during the year.

(d) SALE OF FOOD (ADULTERATION) ACT 1928.

This Act is administered by the Northumberland County Council.

**PUBLIC HEALTH PROPAGANDA.**

The scheme of Public Health Propaganda was continued throughout the year.

T. W. WALTON,

CHIEF SANITARY INSPECTOR.

*June, 1938.*









